

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	10/718,779
		Filing Date	November 20, 2003
		First Named Inventor	CHISHTI, MUHAMMAD
		Art Unit	Unassigned
		Examiner Name	Unassigned
Total Number of Pages in This Submission	7	Attorney Docket Number	018563-004820US

ENCLOSURES (Check all that apply)		
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Remarks		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Townsend and Townsend and Crew LLP James M. Heslin	Reg. No. 29,541
Signature		
Date	January 20, 2004	

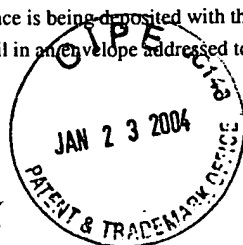
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Signature		Date	January 20, 2004

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1-20-04



PATENT  
Attorney Docket No.: 018563-004820US  
Client Reference No.: AT00105.1

TOWNSEND and TOWNSEND and CREW LLP

By:

*Edward Masinas*

Edward Masinas

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

MUHAMMAD CHISHTI et al.

Application No.: 10/718,779

Filed: November 20, 2003

For: COMPUTER AUTOMATED  
DEVELOPMENT OF AN  
ORTHODONTIC TREATMENT PLAN  
AND APPLIANCE

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application Nos. 09/169,276 and 09/686,190, filed October 8, 1998 and October 10, 2000 (Attorney Docket Nos. 018563-004800US and 018563-004810US) respectively. It is requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

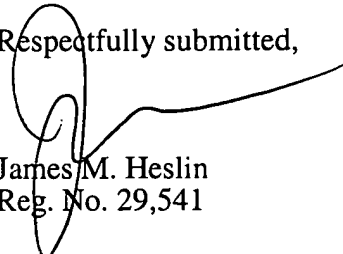
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement.

However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



James M. Heslin  
Reg. No. 29,541

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60119496 v1



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 4

**Complete if Known**

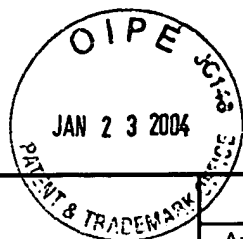
Application Number	10/718,779
Filing Date	November 20, 2003
First Named Inventor	CHISHTI, MUHAMMAD
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Examiner Name	Unassigned
Attorney Docket Number	018563-004820US

**U.S. PATENT DOCUMENTS+**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	1	3,660,900	05-09-1972	Andrews	
	2	3,860,803	01-14-1975	Levine	
	3	4,348,178	09-07-1982	Kurz	
	4	4,504,225	03-12-1985	Yoshii	
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	6	4,755,139	07-05-1988	Abbatte et al.	
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	8	4,798,534	01-17-1989	Breads	
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	32	5,528,735	06-18-1996	Strasnick et al.	
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	34	5,542,842	08-06-1996	Andreiko et al.	
	35	5,549,476	08-27-1996	Stern	
	36	5,587,912	12-24-1996	Andersson et al.	
	37	5,605,459	02-25-1997	Kuroda et al.	
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	39	5,621,648	04-15-1997	Crump	
	40	5,645,421	07-08-1997	Slotsky	
	41	5,683,243	11-04-1997	Andreiko et al.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.  
60119496 v1



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	2	of	4	Application Number	10/718,779
				Filing Date	November 20, 2003
				First Named Inventor	CHISHTI, MUHAMMAD
				Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	018563-004820US

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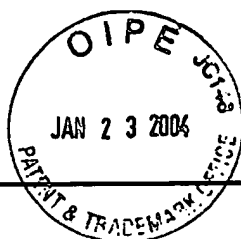
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	42	5,823,778	10-20-1998	Schmitt et al.	
	43	5,879,158	03-09-1999	Doyle et al.	
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	45	6,217,334	04-17-2001	Hultgren	
	46	6,350,120	02-26-2002	Sachdeva et al.	
	47	RE 35,169	03-05-1996	Lemchen et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	48	FR	2 369 828		06-02-1978			<input type="checkbox"/>
	49	WO	94/10935		05-26-1994			<input type="checkbox"/>
	50	WO	98/32394		07-30-1998			<input type="checkbox"/>

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60119496 v1



Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/718,779
		Filing Date	November 20, 2003
		First Named Inventor	CHISHTI, MUHAMMAD
		Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet 3 of 4	Attorney Docket Number	018563-004820US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	51	CHIAPPONE, Constructing the Gnathologic Setup and Positioner, J. Clin. Orthod., Vol. 14, No. 2, 02/80, pp. 121-133.	
	52	COTTINGHAM, Gnathologic Clear Plastic Positioner, Am. J. Orthod., Vol. 55, No. 1, 01/69, pp 23-31.	
	53	CURETON, Correcting Malaligned Mandibular Incisors with Removable Retainers, J. Clin. Orthod., vol. 30, No. 7, 07/96, pp. 390-395.	
	54	DOYLE, "Digital Dentistry" Computer Graphics World (October 2000) pp. 50-52, 54.	
	55	ELSASSER, Some Observations on the History and Uses of the Kesling Positioner, Am. J. Orthod., Vol. 36, 01-12/50, pp. 368-374.	
	56	KAMADA et al., Construction of Tooth Positioners with LTV Vinyl Silicone Rubber and Some Case Reports, J. Nihon University School of Dentistry, Vol. 24, No. 1, 03/82, pp. 1-27.	
	57	KESLING, Coordinating the Predetermined Pattern and Tooth Positioner with Conventional Treatment, Am. J. Orthod. Oral. Surg., Vol. 32, No. 5, 05/46, pp. 285-293.	
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	59	KLEEMAN et al., The Speed Positioner, J. Clin. Orthod., Vol. 30, No. 12, 12/96, pp. 673-680.	
	60	KURODA et al., Three-dimensional Dental Cast Analyzing System Using Laser Scanning, Am. J. Orthod. Dentofac. Orthop., Vol. 110, No. 4, 10/96, pp. 365-369.	
	61	NISHIYAMA et al., a New Construction of Tooth Positioner by Ltv Vinyl Silicone Rubber, J. Nihon Univ. School of Dentistry, Vol. 19, No. 2, 06/77, pp. 93-102.	
	62	REDMOND et al., "Clinical Implications of Digital Orthodontics" Am. J. Orthodont. Dentofacial Orthopedics (2000) 117(2) 240-242.	
	63	SHERIDAN, Moving Teeth with Essix™ Appliances: Windows & Divots™, Essix™ Appliances, Fabrication, Application and rationale, raintree Essix & ARS Materials, Inc., Technical Magazine, <a href="http://www.essix.com/magazine/default.html">http://www.essix.com/magazine/default.html</a> , 08/97, 7 pgs.	
	64	SHILLIDAY, Minimizing Finishing Problems with the Mini-positioner, Am. J. Orthod. Vol. 59, No. 6, 06/71, pp. 596-599.	
	65	WARUNEK et al., Physical and Mechanical Properties of Elastomers in Orthodontic Positioners, Am. J. Orthod. Dentofac. Orthop. Vol. 95, No. 5, 05/89, pp. 388-400.	
	66	WELLS, Application of the Positioner Appliance in Orthodontic Treatment, Am. J. Orthodont. Vol. 58, No. 4, 10/70, pp. 351-366.	

Examiner Signature	Date Considered
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Substitute for form 1449B/PTO		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/718,779		
		Filing Date	November 20, 2003		
		First Named Inventor	CHISHTI, MUHAMMAD		
		Art Unit	Unassigned		
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	67	YOSHII, Research on a New Orthodontic Appliance: The Dynamic Positioner (D.P.)-I. The D.P. Concept and Implementation of Transparent Silicone Resin (Orthocon), Nippon Dental Review, Vol. 452, 06/80, pp. 61-74.	
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